

Dong Young (Daniel) Kim

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EDUCATION

Massachusetts Institute of Technology (MIT)

Cambridge, MA

Candidate for MS in *Computer Science, AI Concentration*

Exp. Jun. 2025

BS in *Computer Science (6-3)* and *Finance (15-3)* | Cumulative GPA: 5.00

Exp. Jun. 2024

- *Experience:* LA for Introduction to Machine Learning (6.3900), TA for Intermediate Probability Problem Solving (6.S095)
- *Relevant Coursework:* Advances in Computer Vision, Computer Systems Engineering, Software Construction, Design and Analysis of Algorithms, Computation Structures, Fundamentals of Programming, Intro to ML, Mathematics in CS
- *Activities:* Phi Kappa Theta Fraternity, StartLabs, Global Teaching Labs, Global Platinum Securities, Sloan Business Club

WORK EXPERIENCE

Citadel Securities

New York City, NY

Fundamental Analyst Intern

Jun. 2023 – Aug. 2023

- Ran statistical analysis on 10K+ corporate events impact single stock volatility using Python and internal libraries
- Analyzed qualitative information and news to generate quantitative trading ideas in directional and/or volatility space

Weiss Asset Management

Boston, MA

Investment Analyst

Jun. 2022 – Aug. 2022

- Conducted investment projects on multiple strategies, including M&A arbitrage, event-driven, and structured products
- Generated investment hypothesis from academic research papers; developed and back-tested the models using pandas

Navy Federal Credit Union

Vienna, VA

Real Estate Strategic Planning & Analytics Intern

Jun. 2021 – Aug. 2021

- Initiated the process of moving 30+ internally developed apps to a unified platform using ReactJS to increase efficiency
- Analyzed and created a guiding map for the apps that use JS, & C# and interact with 250K+ data points daily using SSMS

Flow

Cambridge, MA

Software Engineering Intern

Dec. 2020 – Jan. 2021

- Implemented a back-end PowerPoint slide renderer that converts raw text input to PPT outputs using ReactJS and Node
- Collaborated with the founder to conduct primary market research and customer interviews for product development

PROJECTS & ACADEMIC

MIT Affective Computing (detectfakes.media.mit.edu)

Cambridge, MA

Student Researcher

Feb. 2023 – Jun. 2023

- Analyzed visual and auditory perception used by AI models and humans to enhance the deepfakes detection process
- Created 20+, 720p deepfake videos of Trump and Biden using TTS, Wav2Lip, and DeepFaceLab to be used in the study
- Co-designed and ran an online deepfake detection test on the generated videos for a [co-authoring paper](#) under submission

Quick Stock Analyzer (danieldykim.com/pages/stock_analyzer)

Cambridge, MA

Independent Project

Jun. 2022 – Aug. 2022

- Created a stock tool that calculates the fair price based on user inputs, financial data, and a simplified DCF algorithm
- Designed a website using NextJS and Node that dynamically analyzes 5,000+ financial data every time a user uses the tool

MIT App Inventor

Cambridge, MA

Student Researcher

Feb. 2021 – Dec. 2021

- Collaborated and developed a Conversational AI tool Convo using ReactJS to teach kids about intents, utterances, entities
- Co-led workshops for local K-12 students and teachers, taking live feedback about the Conversations AI Interface

LEADERSHIP

Phi Kappa Theta Fraternity (PKT)

Cambridge, MA

Vice President

Jan. 2022 – Present

- Supervise executive members and serve as a liaison between the fraternity, MIT administration, and the City of Boston
- Organized and handle marketing and logistics for the 2022 summer housing, which generated a record \$73k+ in revenue

SKILLS & INTERESTS

Languages: Korean (Native), Java, Javascript, Typescript, Python (pandas, numpy), HTML/CSS, SQL

Skills: ReactJS, Node, Mongo, Microsoft Excel, Powerpoint, LaTeX, Machine Learning

Interests: Fraternity (PKT), Investing, Poker, Soccer, Weight-lifting, Guitar, Piano, Gates & Questbridge Scholar